

PF-0479-2 DIV

<110> Bandman, Olga
Corley, Neil C.
Guegler, Karl J.
Baugh, Mariah R.

<120> HUMAN PROTEINASE MOLECULES

<130> PF-0479-2 DIV

<140> To Be Assigned

<141> Herewith

<150> US 09/802,633

<151> 2001-03-08

<150> US 09/032,523

<151> 1998-02-27

<160> 9

<170> PERL Program

<210> 1

<211> 248

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 456855

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				20					25					30
Glu	Gly	Gly	Gly	Arg	Asn	Ile	Gly	Gly	Ile	Val	Gly	Gly	Ile	Val
				35					40					45
Asn	Phe	Ile	Ser	Glu	Ala	Ala	Ala	Ala	Gln	Tyr	Thr	Pro	Glu	Pro
				50					55					60
Pro	Pro	Thr	Gln	Gln	His	Phe	Thr	Ser	Val	Glu	Ala	Ser	Glu	Ser
				65					70					75
Glu	Glu	Val	Arg	Arg	Phe	Arg	Gln	Gln	Phe	Thr	Gln	Leu	Ala	Gly
				80					85					90
Pro	Asp	Met	Glu	Val	Gly	Ala	Thr	Asp	Leu	Met	Asn	Ile	Leu	Asn
				95					100					105
Lys	Val	Leu	Ser	Lys	His	Lys	Asp	Leu	Lys	Thr	Asp	Gly	Phe	Ser
				110					115					120
Leu	Asp	Thr	Cys	Arg	Ser	Ile	Val	Ser	Val	Met	Asp	Ser	Asp	Thr
				125					130					135
Thr	Gly	Lys	Leu	Gly	Phe	Glu	Glu	Phe	Lys	Tyr	Leu	Trp	Asn	Asn
				140					145					150
Ile	Lys	Lys	Trp	Gln	Cys	Val	Tyr	Lys	Gln	Tyr	Asp	Arg	Asp	His

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	155		160		165
Ser Gly Ser Leu	Gly Ser Ser Gln Leu	Arg Gly Ala Leu	Gln Ala		
	170		175		180
Ala Gly Phe Gln	Leu Asn Glu Gln Leu	Tyr Gln Met Ile	Val Arg		
	185		190		195
Arg Tyr Ala Asn	Glu Asp Gly Asp Met	Asp Phe Asn Asn	Phe Ile		
	200		205		210
Ser Cys Leu Val	Arg Leu Asp Ala Met	Phe Arg Ala Phe	Lys Ser		
	215		220		225
Leu Asp Arg Asp	Arg Asp Gly Leu Ile	Gln Val Ser Ile	Lys Glu		
	230		235		240
Trp Leu Gln Leu	Thr Met Tyr Ser				
	245				

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<211> 415

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 947429

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	20	25	30		
Phe Thr Cys Gly	Gly Ile Leu Thr	Gly Glu Ser Gly	Phe Ile Gly		
	35	40	45		
Ser Glu Gly Phe	Pro Gly Val Tyr	Pro Pro Asn Ser	Lys Cys Thr		
	50	55	60		
Trp Lys Ile Thr	Val Pro Glu Gly	Lys Val Val Val	Leu Asn Phe		
	65	70	75		
Arg Phe Ile Asp	Leu Glu Ser Asp	Asn Leu Cys Arg	Tyr Asp Phe		
	80	85	90		
Val Asp Val Tyr	Asn Gly His Ala	Asn Gly Gln Arg	Ile Gly Arg		
	95	100	105		
Phe Cys Gly Thr	Phe Arg Pro Gly	Ala Leu Val Ser	Ser Gly Asn		
	110	115	120		
Lys Met Met Val	Gln Met Ile Phe	Asp Ala Asn Thr	Ala Gly Asn		
	125	130	135		
Gly Phe Met Ala	Met Phe Ser Ala	Ala Glu Pro Asn	Glu Arg Gly		
	140	145	150		
Asp Gln Tyr Cys	Gly Gly Leu Leu	Asp Arg Pro Ser	Gly Ser Phe		
	155	160	165		
Lys Thr Pro Asn	Trp Pro Asp Arg	Asp Tyr Pro Ala	Gly Val Thr		
	170	175	180		
Cys Val Trp His	Ile Val Ala Pro	Lys Asn Gln Leu	Ile Glu Leu		
	185	190	195		
Lys Phe Glu Lys	Phe Asp Val Glu	Arg Asp Asn Tyr	Cys Arg Tyr		
	200	205	210		
Asp Tyr Val Ala	Val Phe Asn Gly	Gly Glu Val Asn	Asp Ala Arg		
	215	220	225		

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Arg	Ile	Gly	Lys	Tyr	Cys	Gly	Asp	Ser	Pro	Pro	Ala	Pro	Ile	Val
				230					235					240
Ser	Glu	Arg	Asn	Glu	Leu	Leu	Ile	Gln	Phe	Leu	Ser	Asp	Leu	Ser
				245					250					255
Leu	Thr	Ala	Asp	Gly	Phe	Ile	Gly	His	Tyr	Ile	Phe	Arg	Pro	Lys
				260					265					270
Lys	Leu	Pro	Thr	Thr	Thr	Glu	Gln	Pro	Val	Thr	Thr	Thr	Phe	Pro
				275					280					285
Val	Thr	Thr	Gly	Leu	Lys	Pro	Thr	Val	Ala	Leu	Cys	Gln	Gln	Lys
				290					295					300
Cys	Arg	Arg	Thr	Gly	Thr	Leu	Glu	Gly	Asn	Tyr	Cys	Ser	Ser	Asp
				305					310					315
Phe	Val	Leu	Ala	Gly	Thr	Val	Ile	Thr	Thr	Ile	Thr	Arg	Asp	Gly
				320					325					330
Ser	Leu	His	Ala	Thr	Val	Ser	Ile	Ile	Asn	Ile	Tyr	Lys	Glu	Gly
				335					340					345
Asn	Leu	Ala	Ile	Gln	Gln	Ala	Gly	Lys	Asn	Met	Ser	Ala	Arg	Leu
				350					355					360
Thr	Val	Val	Cys	Lys	Gln	Cys	Pro	Leu	Leu	Arg	Arg	Gly	Leu	Asn
				365					370					375
Tyr	Ile	Ile	Met	Gly	Gln	Val	Gly	Glu	Asp	Gly	Arg	Gly	Lys	Ile
				380					385					390
Met	Pro	Asn	Ser	Phe	Ile	Met	Met	Phe	Lys	Thr	Lys	Asn	Gln	Lys
				395					400					405
Leu	Leu	Asp	Ala	Leu	Lys	Asn	Lys	Gln	Cys					
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<211> 349

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1515165

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				20					25					30
Ser	Leu	Lys	Lys	Lys	Leu	Arg	Ala	Arg	Ser	Gln	Leu	Ser	Glu	Phe
				35					40					45
Trp	Lys	Ser	His	Asn	Leu	Asp	Met	Ile	Gln	Phe	Thr	Glu	Ser	Cys
				50					55					60
Ser	Met	Asp	Gln	Ser	Ala	Lys	Glu	Pro	Leu	Ile	Asn	Tyr	Leu	Asp
				65					70					75
Met	Glu	Tyr	Phe	Gly	Thr	Ile	Ser	Ile	Gly	Ser	Pro	Pro	Gln	Asn
				80					85					90
Phe	Thr	Val	Ile	Phe	Asp	Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro
				95					100					105
Ser	Val	Tyr	Cys	Thr	Ser	Pro	Ala	Cys	Lys	Thr	His	Ser	Arg	Phe
				110					115					120
Gln	Pro	Ser	Gln	Ser	Ser	Thr	Tyr	Ser	Gln	Pro	Gly	Gln	Ser	Phe

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	125		130		135
Ser Ile Gln Tyr	Gly Thr Gly Ser Leu	Ser Gly Ile Ile Gly	Ala		
	140		145		150
Asp Gln Val Ser	Val Glu Gly Leu Thr	Val Val Gly Gln Gln	Phe		
	155		160		165
Gly Glu Ser Val	Thr Glu Pro Gly Gln	Thr Phe Val Asp Ala	Glu		
	170		175		180
Phe Asp Gly Ile	Leu Gly Leu Gly Tyr	Pro Ser Leu Ala Val	Gly		
	185		190		195
Gly Val Thr Pro	Val Phe Asp Asn Met	Met Ala Gln Asn Leu	Val		
	200		205		210
Asp Leu Pro Met	Phe Ser Val Tyr Met	Ser Ser Asn Pro Glu	Gly		
	215		220		225
Gly Ala Gly Ser	Glu Leu Ile Phe Gly	Gly Tyr Asp His Ser	His		
	230		235		240
Phe Ser Gly Ser	Leu Asn Trp Val Pro	Val Thr Lys Gln Ala	Tyr		
	245		250		255
Trp Gln Ile Ala	Leu Asp Asn Tyr Ala	Val Glu Cys Ala Asn	Leu		
	260		265		270
Asn Val Met Pro	Asp Val Thr Phe Thr	Ile Asn Gly Val Pro	Tyr		
	275		280		285
Thr Leu Ser Pro	Thr Ala Tyr Thr Leu	Leu Asp Phe Val Asp	Gly		
	290		295		300
Met Gln Phe Cys	Ser Ser Gly Phe Gln	Gly Leu Asp Ile His	Pro		
	305		310		315
Pro Ala Gly Pro	Leu Trp Ile Leu Gly	Asp Val Phe Ile Arg	Gln		
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Phe Tyr Ser Val	Phe Asp Arg Gly Asn	Asn Arg Val Gly Leu	Ala		
	335		340		345
Pro Ala Val Pro					

<210> 4

<211> 1000

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 456855

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ggaattgtga atttatcag tgaggctgca gcagctcagt atactccaga accgcctccc 240
actcagcagc atttcaccag tgtggaggcc tcagaaagtg aggaagttag gcgatttcgg 300
caacaattta cacagctggc tggaccagac atggaggtgg gtgccactga tctgatgaat 360
attctcaaca aagtcctttc taagcacaaa gatcttaaga ctgacggttt tagtcttgac 420
acctgccgga gcattgtgtc tgtcatggac agtgacacga ctggtaagct gggctttgaa 480
gaatttaagt atctgtggaa caacatcaag aaatggcagt gtgtttataa gcagtatgac 540
agggaccatt ctgggtctct ggggaagttct cagctgcggg gagctctgca ggccgcaggc 600
ttccagctaa atgaacaact ttaccaaata attgtccgcc ggtatgctaa tgaagatgga 660
gatatggatt ttaacaattt catcagctgc ttgggtccgcc tggatgccat gtttcgtgcc 720

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gactgaaaac cttgccaagc tgtacacagt tgctgatacc ctgtgcaaca gctctcattt 900
cctggcaagc tctttcacaa ccctacatat ttctgatcat gtgctgcctt ttactgctga 960
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 <213> Homo sapiens

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 <223> Incyte ID No: 947429

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cagcagctccc cagagagacc tgttttcaca tgtgggtggca ttcttactgg agagtctgga 180
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 <212> DNA
 <213> Homo sapiens

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<223> Incyte ID No: 1515165

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cccataatth ggacatgata cagttcaccg agtcctgctc aatggaccag agtgccaagg 240
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                      20                      25                     30
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<212> PRT
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7

PF-0479-2 DIV

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	95	100	105		
Arg Leu Gly Arg	Phe Cys Gly Thr Phe	Arg Pro Ala Pro Val	Val		
	110	115	120		
Ala Pro Gly Asn	Gln Val Thr Leu Arg	Met Thr Thr Asp Glu	Gly		
	125	130	135		
Thr Gly Gly Arg	Gly Phe Leu Leu Trp	Tyr Ser Gly Arg Ala	Thr		
	140	145	150		
Ser Gly Thr Glu	His Gln Phe Cys Gly	Gly Arg Met Glu Lys	Ala		
	155	160	165		
Gln Gly Thr Leu	Thr Thr Pro Asn Trp	Pro Glu Ser Asp Tyr	Pro		
	170	175	180		
Pro Gly Ile Ser	Cys Ser Trp His Ile	Ile Ala Pro Ser Asn	Gln		
	185	190	195		
Val Ile Met Leu	Thr Phe Gly Lys Phe	Asp Val Glu Pro Asp	Thr		
	200	205	210		
Tyr Cys Arg Tyr	Asp Ser Val Ser Val	Phe Asn Gly Ala Val	Ser		
	215	220	225		
Asp Asp Ser Lys	Arg Leu Gly Lys Phe	Cys Gly Asp Lys Ala	Pro		
	230	235	240		
Ser Pro Ile Ser	Ser Glu Gly Asn Glu	Leu Leu Val Gln Phe	Val		
	245	250	255		
Ser Asp Leu Ser	Val Thr Ala Asp Gly	Phe Ser Ala Ser Tyr	Arg		
	260	265	270		
Thr Leu Pro Arg	Asp Ala Val Glu Lys	Glu Ser Ala Leu Ser	Pro		
	275	280	285		
Gly Glu Asp Val	Gln Arg Gly Pro Gln	Ser Arg Ser Asp Pro	Lys		
	290	295	300		
Thr Gly Thr Gly	Pro Lys Val Lys Pro	Pro Thr Lys Pro Lys	Ser		
	305	310	315		
Gln Pro Ala Glu	Thr Pro Glu Ala Ser	Pro Ala Thr Gln Ala	Thr		
	320	325	330		
Pro Val Ala Pro	Ala Ala Pro Ser Ile	Thr Cys Pro Lys Gln	Tyr		
	335	340	345		
Lys Arg Ser Gly	Thr Leu Gln Ser Asn	Phe Cys Ser Ser Ser	Leu		
	350	355	360		
Val Val Thr Gly	Thr Val Lys Thr Met	Val Arg Gly Pro Gly	Glu		
	365	370	375		
Gly Leu Thr Val	Thr Val Ser Leu Leu	Gly Val Tyr Lys Thr	Gly		
	380	385	390		
Gly Leu Asp Leu	Pro Ser Pro Pro Ser	Gly Thr Ser Leu Lys	Leu		
	395	400	405		
Tyr Val Pro Cys	Arg Gln Met Pro Pro	Met Lys Lys Gly Ala	Ser		
	410	415	420		
Tyr Leu Leu Met	Gly Gln Val Glu Glu	Asn Arg Gly Pro Ile	Leu		
	425	430	435		
Pro Pro Glu Ser	Phe Val Val Leu Tyr	Arg Ser Asn Gln Asp	Gln		
	440	445	450		
Ile Leu Asn Asn	Leu Ser Lys Arg Lys	Cys Pro Ser Gln Pro	Arg		
	455	460	465		
Thr Ala Ala					

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<210> 9
<211> 396
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 181994

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35 40 45
Trp Lys Ser His Asn Leu Asp Met Ile Gln Phe Thr Glu Ser Cys
50 55 60
Ser Met Asp Gln Ser Ala Lys Glu Pro Leu Ile Asn Tyr Leu Asp
65 70 75
Met Glu Tyr Phe Gly Thr Ile Ser Ile Gly Ser Pro Pro Gln Asn
80 85 90
Phe Thr Val Ile Phe Asp Thr Gly Ser Ser Asn Leu Trp Val Pro
95 100 105
Ser Val Tyr Cys Thr Ser Pro Ala Cys Lys Thr His Ser Arg Phe
110 115 120
Gln Pro Ser Gln Ser Ser Thr Tyr Ser Gln Pro Gly Gln Ser Phe
125 130 135
Ser Ile Gln Tyr Gly Thr Gly Ser Leu Ser Gly Ile Ile Gly Ala
140 145 150
Asp Gln Val Ser Val Glu Gly Leu Thr Val Val Gly Gln Gln Phe
155 160 165
Gly Glu Ser Val Thr Glu Pro Gly Gln Thr Phe Val Asp Ala Glu
170 175 180
Phe Asp Gly Ile Leu Gly Leu Gly Tyr Pro Ser Leu Ala Val Gly
185 190 195
Gly Val Thr Pro Val Phe Asp Asn Met Met Ala Gln Asn Leu Val
200 205 210
Asp Leu Pro Met Phe Ser Val Tyr Met Ser Ser Asn Pro Glu Gly
215 220 225
Gly Ala Gly Ser Glu Leu Ile Phe Gly Gly Tyr Asp His Ser His
230 235 240
Phe Ser Gly Ser Leu Asn Trp Val Pro Val Thr Lys Gln Ala Tyr
245 250 255
Trp Gln Ile Ala Leu Asp Asn Ile Gln Val Gly Gly Thr Val Met
260 265 270
Phe Cys Ser Glu Gly Cys Gln Ala Ile Val Asp Thr Gly Thr Ser
275 280 285
Leu Ile Thr Gly Pro Ser Asp Lys Ile Lys Gln Leu Gln Asn Ala
290 295 300
Ile Gly Ala Ala Pro Val Asp Gly Glu Tyr Ala Val Glu Cys Ala
305 310 315
Asn Leu Asn Val Met Pro Asp Val Thr Phe Thr Ile Asn Gly Val
320 325 330

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Pro	Tyr	Thr	Leu	Ser	Pro	Thr	Ala	Tyr	Thr	Leu	Leu	Asp	Phe	Val	
				335					340					345	
Asp	Gly	Met	Gln	Phe	Cys	Ser	Ser	Gly	Phe	Gln	Gly	Leu	Asp	Ile	
				350					355					360	
His	Pro	Pro	Ala	Gly	Pro	Leu	Trp	Ile	Leu	Gly	Asp	Val	Phe	Ile	
				365					370					375	
Arg	Gln	Phe	Tyr	Ser	Val	Phe	Asp	Arg	Gly	Asn	Asn	Arg	Val	Gly	
				380					385					390	
Leu	Ala	Pro	Ala	Val	Pro										
				395											